

What is claimed is:

1. A safety mechanism for use in a bolt-action firearm that includes a receiver, a bolt axially slidably received in the receiver, a casing fastened to a lower part of the receiver, a firing mechanism, and a trigger having an upper arm and pivotally supported on the casing so as to be interlocked with the firing mechanism, the safety mechanism comprising:

a safety control member supported for turning on an outer surface of one of opposite side walls of the casing and capable of being selectively located in one of first, second and third positions so as to control movement of the trigger and the bolt, the safety control member having a bolt blocking part capable of engaging with the bolt;

a trigger blocking member slidably fitted in a sliding hole of the casing, the sliding hole being provided in the outer surface of the one of the opposite side walls of the casing, on which the safety control member is supported, the sliding hole opening into a space between the opposite side walls of the casing, in which the upper arm of the trigger moves, the trigger blocking member having a trigger blocking part capable of moving so as to be advanced into and retracted from a moving path of the upper arm of the trigger; and

a spring urging the trigger blocking member fitted in the sliding hole of the casing toward the safety control member;

wherein the safety control member is provided with first, second and third positioning holes arranged on a circle having its center on an axis on which the safety control member turns; the trigger blocking member engages in the first, the second and the third positioning holes of the safety control member to locate the safety control member in the first, the second and the third positions, respectively; the bolt blocking part of the safety control member is engaged with the bolt to block the movement of the bolt when the safety control member is located in the first position, whereas the bolt blocking part of the safety control member is disengaged from the bolt to permit the bolt to be operated when the safety control member

is located in the second or the third position; the trigger blocking part of the trigger blocking member is advanced into the moving path of the upper arm of the trigger to block the movement of the trigger when the safety control member is located in the first or the second position, whereas the trigger blocking part of the trigger blocking member is retracted from the moving path of the upper arm of the trigger to permit the trigger to move when the safety control member is positioned in the third position.

2. The safety mechanism according to claim 1, wherein the first and the second positioning holes of the safety control member are formed in a shape such that the trigger blocking part of the trigger blocking member lies inside the moving path of the upper arm of the trigger when an outer end part of the trigger blocking member is engaged in the first or the second positioning hole; and the third positioning hole is formed in a shape such that the trigger blocking part of the trigger blocking member lies outside the moving path of the upper arm of the trigger when the outer end part of the trigger blocking member is engaged in the third positioning hole.

3. The safety mechanism according to claim 2, wherein the outer end part of the trigger blocking member is tapered; the third positioning hole is a tapered hole having a large diameter and capable of entirely receiving the tapered outer end part of the trigger blocking member to locate the trigger blocking part of the trigger blocking member at a releasing position outside the space between the opposite side walls of the casing; the first and the second positioning holes are tapered holes having small diameters and capable of partly receiving the tapered outer end part of the trigger blocking member to locate the trigger blocking part of the trigger blocking member at a blocking position inside the space between the opposite side walls of the casing.

4. The safety mechanism according to claim 1, wherein the sliding hole of the casing is provided in a part of the

casing which part corresponds to a position in front of the upper arm of the trigger, and the sliding hole of the casing has an axis parallel to an axis about which the trigger turns.

5. The safety mechanism according to claim 1, wherein the safety control member is supported for turning on the same axis as the axis around which the trigger turns.

6. The safety mechanism according to claim 1, wherein the safety control member has a sectorial central body, an operating arm upwardly extending from an upper back part of the central body, and a bolt locking arm upwardly extending from an upper front part of the central body, the bolt locking arm serves as the bolt blocking part; the central body of the safety control member is provided with the three positioning holes formed in an inner surface thereof facing the outer surface of the one of the opposite side walls of the casing; and the bolt locking arm of the safety control member is engaged in a longitudinal groove formed in the bolt to block the movement of the bolt.

7. The safety mechanism according to claim 6, further comprising a safety control member retaining member supported on the casing in sliding contact with an upper edge of the central body of the safety control member to retain the safety control member in place on the casing.